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Abstract

5 The method and apparatus for resetting an Active Pixel Sensor (APS) array
comprises a controller for sequentially pre-resetting groups of one or more sensors in
the array and then simultaneously resetting all of the sensors. The groups may be
formed from one or more adjacent or non-adjacent individual sensors, rows or columns
of sensors. The apparatus may further include a detector for sensing the bias voltage
present on the array substrate in order for the controller to determine the number of
10 sensors in the groups being reset. This method and apparatus assure that current flow
is kept at a fairly steady level to avoid large variations in current flow that may disrupt
other functioning circuits on the substrate including latch-up.

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